

Science & Tech Expo Day

 City of Ryde

Events and Activities at Ryde Library*

Opening by Dr Scott Wilson (Macquarie Uni) & Plastics, litter and you: how to be a better global citizen

Time: 10.30 – 11.30am

Plastics are everywhere in modern society and unfortunately have ended up littering the world's oceans and waterways. This presentation explains the impacts that plastics have on our environment.

Lightning Talks

Carbonix: Carbonix builds next generation drones for industry and defence.

Tekuma: Tekuma has developed a one-handed six degree of freedom control for drones, robots and other devices.

Fluro4: Fluro4 is enhancing the power of the microscope.

IkkiWorks: Ikki is a companion therapy robot that has a calming effect and distraction function.

SurfSense: SurfSense is developing systems for measuring and predicting wave activity,

StayBil: StayBil will share some examples of how data science and algorithms are used to make your life easier. No bookings required. Cost: Free

Children's Workshops:

BEEBOT ROBOTICS

Time: 10.00 – 11.00am

Learn junior programming with fun beebots!

Ages: 5-7yrs **Cost:** \$5.00

Bookings Essential:

cityofryde.eventbrite.com.au

BIG SCIENCE BIG FUN SHOW

Time: 11.00am – 12noon

See gigantic bubbles, flying toilet paper, hair-raising electricity experiments, levitating beach balls, volunteers on a nail chair, a giant gyroscope, fire balls, coloured shadows, a flame equalizer and much more!

Ages: 5yrs+ **Cost:** Free

Where: The Piazza Dining Area, Top Ryde City
No bookings required

MEET EDISON ROBOTICS WORKSHOP

Times: 1.00 – 2.00pm and 2.30 – 3.30pm

Learn how to program Edison robots and have fun with seeing how you can get them through the obstacle course and other exciting activities.

Ages: 8 – 10yrs **Cost:** \$5.00

Bookings Essential:

cityofryde.eventbrite.com.au

STEP INSIDE THE FRUIT NINJA UNIVERSE

Time: 9.30am – 4.00pm

Come and join us for a virtual reality experience with your family and friends. Provided by Infinity Amusements.

Ages: All ages **Cost:** FREE

No bookings required

SUPERHERO PHOTOS

Time: 9.30am – 4.00pm

Ever wanted to be a superhero and fly in the sky, walk through a jungle or on the moon? Take your photo in the library with our green screen technology. Your photo experience will be emailed to you.

Ages: All ages **Cost:** Free

No bookings required

ELECTRIC CARS

Time: 9.30 – 4.00pm

Ever wanted to learn about how an electric car works and the great benefits to our environment? The Australian Electric Vehicle Association will have an electric car and a scooter on show for all to see.

Where: The Piazza Dining Area, Top Ryde City

Ages: All ages **Cost:** Free

No bookings required

**All events are held at Ryde Library unless specified otherwise*

PRESENTED BY



SUPPORTED BY



Northern Sydney Science Hub Events

Willoughby Council Library

All Willoughby Council Library events will be held at Chatswood Library on the Concourse

Bookings: www.willoughby.nsw.gov.au/library

Geography in the 21st Century

When: Tuesday 7 August

Time: 6.00 – 7.00pm

Wildlife Watching: Bird talk

When photography and conservation collide.

When: Thursday 23 August

Time: 6.30 – 8.00pm

From precious lumps of metal to constants of nature

The evolution of the metric system
– National Institute of Measurement

When: Thursday 16 August

Time: 6.00 – 7.00pm

‘Movie with a Scientist @ CSIRO’

When: Tuesday 14 August

Time: 5.30 – 7.30pm

Where: CSIRO Lindfield Auditorium
(36 Bradfield Rd, West Lindfield)

Bookings: www.sydneyscience.com.au/2018/whats-on

Ku-ring-gai Council Library

All Ku-ring-gai Council Library events will be held at Gordon Library

Bookings: www.kmc.nsw.gov.au/library

‘The Future of Orthopaedic treatment’ with Dr Corey Scholes

Are you suffering from joint pain, sports injuries or arthritis?

Join us for look at current patient data to improve treatment options in the future.

When: Thursday 16 August

Time: 12noon – 1.00pm

3D Printing workshop for adults

Join us for a session where you will learn how to use Tinkercad to build a simple model which you can print on our 3D printer.

When: Thursday 16 August

Time: 10.00am – 12noon

3D Printing workshop for children

Join us for a session where you will learn how to use Tinkercad to build a simple model which you can print on our 3D printer. You will also be shown how to download models for a 3D printer.

When: Thursday 16 August

Ages: 10yrs +

Time: 4.00 – 5.00pm